Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in this application:

Listing of Claims

Claim 1 (currently amended): An image capture system comprising:

a portable reader subsystem operable to capture image information;

said portable reader subsystem being operable in a first mode to read coded image information and operable in a second mode to capture photo image information;

[[and]]

a controller subsystem controlling the operation of the portable reader subsystem to capture coded image information and photo image information[[.]]; and

a light-energy sensor component, positioned to receive targeted coded image information and photo image information;

wherein the portable reader subsystem has a first optical path for capture of coded images, a second optical path for capture of photo images, and wherein both optical paths lead to said light-energy sensor component.

Claim 2 (canceled)

Claim 3 (currently amended): The image capture system of claim [[2]]1, wherein the first optical path has a fixed focal length.

Claim 4 (currently amended): The image capture system of claim [[2]]1, wherein the first optical path has an adjustable aperture.

Claim 5 (original): The image capture system of claim 4, where the adjustable aperture adjusts the depth of field of the first optical path.

Claim 6 (currently amended): The image capture system of claim [[2]]1, wherein the second optical path has a wider angle of view than said first optical path.

Claim 7 (currently amended): The image capture system of claim [[2]]1, wherein the second optical path has a deeper field of view than said first optical path.

Claim 8 (currently amended): The image capture system of claim [[2]]1, wherein the first and second optical paths have respective first and second shutters.

Claim 9 (original): The image capture system of claim 1, wherein an illumination source is operable to direct illuminating light along the first optical path so as to illuminate a target.

Claim 10 (original): The image capture system of claim 9, wherein the illumination source is operable to direct illumination along the second optical path during capture of photo image information.

Claim 11 (currently amended): The image capture system of claim 1, wherein the portable reader subsystem is in the same orientation during reading of coded image information and photo image information.

Claim 12 (original): The image capture system of claim 1, where the portable reader subsystem comprises an image capture module.

Claim 13 (original): The image capture system of claim 12, further comprising a user supported terminal subsystem for mounting the image capture module.

Claim 14 (original): The image capture system of claim 1, said portable reader subsystem having a photo reader with a field of view directed along one axis, and having a code reader with a field of view directed along said one axis.

Claim 15 (original): The image capture system of claim 1, said portable reader subsystem comprising a housing with plural sides, said housing, having a photo reader with a field of view extending from one side of the housing, and having a code reader with a field of view extending from said one side of the housing.

Claim 16 (currently amended): The image capture system of claim 15, said housing having a display at a side of the housing opposite said one side.

Claim 17 (original): The image capture system of claim 16, said display displaying at least a part of the field of view of the photo reader.

Claim 18 (original): The image capture system of claim 1, said portable reader system having a photo reader with a field of view directed along one axis, and having a code reader with a field of view directed along a different axis.

Claim 19 (currently amended): The image capture system of claim 18, wherein the one axis of the photo reader and the different axis of the code reader are orthogonally related.

Claim 20 (original): The image capture system of claim 18, wherein at least a portion of the optical path of the photo reader and a portion of the optical path of the code reader are generally parallel.

Claim 21 (original): The image capture system of claim 1, said portable reader subsystem comprising a housing with plural sides, said housing having a photo reader with a field of view extending from one side of the housing, and having a code reader with a field of view extending from another side of the housing.

Claim 22 (original): The image capture system of claim 21, said housing having a display at a side of the housing opposite said one side.

Claim 23 (original): The image capture system of claim 22, with at least a part of said display displaying the field of view of the photo reader.

Claim 24 (original): The image capture system of claim 1, wherein the portable reader subsystem comprises a laser scanning device.

Claim 25 (original): The image capture system of claim 24, wherein the laser scanning device is a two-dimensional laser scanning device.

Claim 26 (original): The image capture system of claim 1, wherein the portable reader subsystem is operable in a single orientation to read coded image information and photo image information.

Claim 27 (canceled)

Claim 28 (canceled)

Claim 29 (canceled)

Claim 30 (original): The image capture system of claim 1, wherein the portable reader subsystem comprises a terminal with a reader module.

Claim 31 (original): The image capture system of claim 30, wherein the reader module is readily removable.

Claim 32 (original): The image capture system of claim 31, wherein the reader module has a connector for ready operative coupling with the terminal.

Claim 33 (original): The image capture system of claim 32, wherein the terminal has a display for displaying images captured by the reader module when the reader module is coupled with the terminal.

Claim 34 (original): The image capture system of claim 31, wherein the reader module is operative to capture images when removed from the terminal.

Claim 35 (currently amended): An image capture system comprising:

an optical reader subsystem in a first configuration providing a coded image and in a second configuration providing a photo image; [[and]]

a controller subsystem coupled to the optical reader subsystem for controlling the operation of the optical reader subsystem to capture coded images and photo images[[.]]; and

a light-energy sensor component, positioned to receive targeted coded images and photo images;

wherein the optical reader subsystem has a first optical path for capture of coded images, a second optical path for capture of photo images, and wherein both optical paths lead to said light-energy sensor component.

Claim 36 (original): The image capture system of claim 35, further comprising an illumination reflector unit operable in a first position to provide background lighting during capture of a photo image and operable in a second position to provide background illumination during capture of a coded image.

Claim 37 (original): The image capture system of claim 35, further comprising image transfer interface circuitry connected to the controller subsystem.

Claim 38 (original): The image capture system of claim 35, wherein the controller subsystem further comprises coded image decode circuitry.

Claim 39 (original): The image capture system of claim 35, further comprising at least one image buffer.

Claim 40 (original): The image capture system of claim 35, further comprises coded image quality determination circuitry.

Claim 41 (currently amended): An image capture system comprising:

an optical reader subsystem in a first configuration providing a coded image and in a second configuration providing a photo image,

a display; [[and]]

a processor subsystem coupled to the optical reader subsystem and to the display, that controls the operation of the optical reader subsystem to capture coded images and photo images and that transmits captured images to the display for viewing[[.]], and

a light-energy sensor component, positioned to receive both targeted coded images and photo images.

Claim 42 (original): The image capture system of claim 41, further comprising a user interface coupled to the processor subsystem.

Claim 43 (original): The image capture system of claim 41, wherein the processor subsystem further comprises coded image detection circuitry that detects coded images within captured images.

Claim 44 (original): The image capture system of claim 43, further comprising coded image selection circuitry that allows a user to select a detected coded image.

Claim 45 (original): The image capture system of claim 41, wherein the processor subsystem further comprises coded image decode circuitry.

Claim 46 (original): The image capture system of claim 41, wherein the processor subsystem further comprises coded image extraction circuitry that extracts a coded image from a captured image.

Claim 47 (original): The image capture system of claim 41, further comprising an illumination reflector unit operable in a first position to provide background lighting during capture of a photo image and in a second position to provide background lighting during capture of a coded image.

Claim 48 (original): The image capture system of claim 41, further comprising data transfer circuitry that transmits captured images and receives data.

Claim 49 (original): The image capture system of claim 41, wherein the processor subsystem further comprises coded image quality determination circuitry.

Claim 50 (currently amended): The image capture system of claim 41, further comprising at least one image buffer.

Claim 51 (original): The image capture system of claim 41, wherein the processor subsystem further comprises circuitry that causes captured images to be displayed on the display as they are captured.

Claim 52 (original): The image capture system of claim 41, further comprising position feedback circuitry that instructs a user to alter a relative position of the optical reader subsystem with respect to a coded image.

Claim 53 (currently amended): An image capture system comprising:

an image capture module comprising:

an optical reader subsystem in a first configuration, via a first optical path, providing a coded image and in a second configuration providing a photo image, via a second optical path; and

a module controller subsystem coupled to the optical reader subsystem, that controls the operation of the optical reader subsystem to capture coded images and photo images; and

a terminal unit coupled to the image capture module, the terminal unit comprising:

a display;

a user interface; and

a terminal unit controller coupled to the display and the user interface, that transmits captured images to the display for viewing and that receives input from the user interface.

Claim 54 (original): The image capture system of claim 53, wherein the terminal unit further comprises data communication circuitry that transmits captured images to a remote system.

Claim 55 (original): The image capture system of claim 53, wherein the terminal unit controller further comprises coded image decode circuitry.

Claim 56 (original): The image capture system of claim 53, wherein the module controller subsystem further comprises coded image decode circuitry.

Claim 57 (original): An image capture system comprising;

a photodetector subsystem;

a display;

a user interface; and

a controller subsystem coupled to the display, photodetector subsystem and the interface, the controller subsystem sequentially displaying a plurality of captured images on the display and allowing a user to select at least one image from the plurality of images via the user interface for permanent capture.

Claim 58 (currently amended): The method of operating an optical reader capable of capturing two-dimensional images, which comprises

selectively directing, via a first optical path of the optical reader, the optical reader toward a coded image;

optically reading the coded image to obtain a captured coded image; and

decoding the captured coded image; and

selectively directing, via a second optical path of the optical reader, the optical reader toward a photo image and obtaining a captured photo image; and

storing the captured photo image.

Claim 59 (original): The method of claim 58, said optical reader having adjustable optics, said method further comprising selectively adjusting the adjustable optics of the optical reader for reading coded images and for capturing photo images.

Claim 60 (original): The method of claim 58, further comprising adjusting the optics to have a wider field of view when capturing a photo image.

Claim 61 (original): The method of claim 58, further comprising adjusting the optics to have a deeper field of view when capturing a photo image.

Claim 62 (canceled)

Claim 63 (original): The method of claim 58, with said optical reader being positionable by a user in a first orientation for reading coded images, and being positionable by the user in a second orientation different from said first orientation for capturing photo images, said method comprising

placing the reader in said first orientation for optically reading a coded image; and

placing the reader in said second orientation during capture of a photo image.

Claim 64 (original): The method of claim 58, further comprising;

directing a first field of view of the optical reader toward a coded image to read a coded image to be decoded; and

directing a second field of view of the optical reader toward a photo image to obtain a captured photo image.

General Authorization Under 37 CFR 1.136(a)(3)

The Patent and Trademark Office is hereby authorized to treat this or any future response requiring a petition for an extension of time, as incorporating a petition for extension of time for the appropriate length of time.

A Petition for a Three-Month Extension of Time was submitted earlier today by John H. Sherman via a separate facsimile transmission. The Petition was accompanied by a signed Credit Card Payment Form (PTO-2038) in payment of the extension fees. In addition, if this filing has generated any fees not covered by the separately filed Petition for Extension of Time and Credit Card Payment Form, the Patent and Trademark Office is hereby authorized to charge any other such fees deemed due under 37 CFR 1.17 to Deposit Account 19-2260.

Further, if it is determined that any other fees are due in this application, including fees for any required Extension of Time, or if it is determined that an overpayment has been made, the Patent and Trademark Office is hereby authorized to charge or credit Deposit Account 19-2260 as appropriate.